



ANALYTICAL REPORT

Montana Environmental Laboratory LLC

1170 N. Meridian Rd., P.O. Box 8900, Kalispell, MT 59904-1900

Phone: 406-755-2131 Fax: 406-257-5359 www.melab.us

Craig Kendall
Flathead National Forest
650 Wolfpack Way
Kalispell, MT 59901

PWS ID:
Project: Holland Lake North Shore

Client Sample ID: HL - 01

Matrix: ENVIRO WATER

Collected: 11/09/2023 11:32

Lab ID: 2311722-01

Received: 11/09/2023 14:50

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>
Ammonia	0.05	mg/L	0.01		E350.1		11/16/2023 12:47	NB
BOD	ND	mg/L	2		SM5210B	11/09/2023 15:00	11/14/2023 15:00	NB
Coliform, Escherichia	<1	mpn/100ml	1		SM9223B	11/10/2023 12:40	11/11/2023 10:15	BSB
Dissolved Oxygen	9.73	mg/L	1		HACH 10360		11/09/2023 15:10	NB
Nitrate + Nitrite, Total	ND	mg/L	0.01		E353.2		11/10/2023 13:34	NB
Phosphorus, Total low level	0.011	mg/L	0.001		E365.1		11/15/2023 13:30	NB
Total Kjeldahl Nitrogen (TKN)	ND	mg/L	0.20		E351.2		11/13/2023 14:24	NB

Client Sample ID: HL - 02

Matrix: ENVIRO WATER

Collected: 11/09/2023 11:45

Lab ID: 2311722-02

Received: 11/09/2023 14:50

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>
Ammonia	0.08	mg/L	0.01		E350.1		11/16/2023 12:47	NB
BOD	ND	mg/L	2		SM5210B	11/09/2023 15:00	11/14/2023 15:00	NB
Coliform, Escherichia	<1	mpn/100ml	1		SM9223B	11/10/2023 12:40	11/11/2023 10:15	BSB
Dissolved Oxygen	9.72	mg/L	1		HACH 10360		11/09/2023 15:10	NB
Nitrate + Nitrite, Total	0.01	mg/L	0.01		E353.2		11/10/2023 13:34	NB
Phosphorus, Total low level	0.008	mg/L	0.001		E365.1		11/15/2023 13:30	NB
Total Kjeldahl Nitrogen (TKN)	ND	mg/L	0.20		E351.2		11/13/2023 14:24	NB



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Craig Kendall
Flathead National Forest
650 Wolfpack Way
Kalispell, MT 59901

PWS ID:
Project: Holland Lake North Shore

Client Sample ID: HL - 03

Matrix: ENVIRO WATER

Collected: 11/09/2023 11:57

Lab ID: 2311722-03

Received: 11/09/2023 14:50

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>
Ammonia	0.03	mg/L	0.01		E350.1		11/16/2023 12:47	NB
BOD	2	mg/L	2		SM5210B	11/09/2023 15:00	11/14/2023 15:00	NB
Coliform, Escherichia	<1	mpn/100ml	1		SM9223B	11/10/2023 12:40	11/11/2023 10:15	BSB
Dissolved Oxygen	10.25	mg/L	1		HACH 10360		11/09/2023 15:10	NB
Nitrate + Nitrite, Total	0.01	mg/L	0.01		E353.2		11/10/2023 13:34	NB
Phosphorus, Total low level	0.009	mg/L	0.001		E365.1		11/15/2023 13:30	NB
Total Kjeldahl Nitrogen (TKN)	ND	mg/L	0.20		E351.2		11/13/2023 14:24	NB



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Craig Kendall
 Flathead National Forest
 650 Wolfpack Way
 Kalispell, MT 59901

PWS ID:
 Project: Holland Lake North Shore



MONTANA ENVIRONMENTAL LAB, LLC
 P.O. BOX 8900, KALISPELL, MT 59904
 VOICE: (406) 755-2131 • FAX: (406) 257-5359
 www.melab.us • info@melab.us

Chain Of Custody and Analytical Request Form

Please Print. Provide as much information as possible

11722

Company Name: <u>Flathead National Forest</u> Report Address: <u>650 Wolfpack Way</u> <u>Kalispell, MT 59901</u>	Project Name, PWSID #, Permit #, Etc.: <u>Holland Lake</u> Contact Name, Phone, Fax: <u>Craig Kendall</u> Invoice Contact #/Phone #: _____
Invoice Address: <u>Same</u>	Purchase Order # _____

- TURN AROUND TIME REQUIRED**
- STANDARD 10 WORKING DAYS
- 5 WORKING DAYS (50% SURCHARGE)
- 1-2 WORKING DAYS (100% SURCHARGE)
- OTHER _____

SAMPLER PRINTED NAME AND SIGNATURE: Cathy Cole Erickson

SITE NAME or LOCATION	SAMPLE DATE	SAMPLE TIME	MATRIX	# Bottles	Analysis Requested							
					BOO	ECOLI	TOT. PHOS.	TOT. NITRATE	NA ³	TEN	DISS. OXY	
<u>HL - 01</u>	<u>11/9/23</u>	<u>11:32</u>			X	X	X	X	X	X	X	
<u>HL - 02</u>	<u>11/9/23</u>	<u>11:45</u>			X	X	X	X	X	X	X	
<u>HL - 03</u>	<u>11/9/23</u>	<u>11:57</u>			X	X	X	X	X	X	X	

COMMENTS
 EMAIL RESULTS + INVOICE

USDA FOREST SERVICE

Craig N Kendall
 Hydrologist
 Watershed and Fisheries Program Manager

Flathead National Forest
 650 Wolfpack Way
 Kalispell, MT 59901

Custody Record MUST be Signed	Relinquished by: _____	Date/Time: _____	Shipped by: _____	Received by: <u>JB</u>	Date/Time: <u>11-9-23 14:50</u>
	Relinquished by: _____	Date/Time: _____	Shipped by: _____	Received by: _____	Date/Time: _____
	Relinquished by: _____	Date/Time: _____	Shipped by: _____	Received by: _____	Date/Time: _____

NET 30 DAYS: 1.5% PER MONTH INTEREST CHARGE (18% A.P.R.) CUSTOMER AGREES TO PAY COLLECTION COSTS AND ATTORNEY'S FEES.

- INSTRUCTIONS**
1. USE ONE LINE PER SAMPLE.
 2. BE SPECIFIC IN TEST REQUESTS
 3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

LAB USE ONLY:

LOGIN COMMENTS: _____ _____ _____	SAMPLES CHECKED/LOGGED IN BY: _____ SAMPLE TEMP. RECEIPT AT LAB: _____ (Compliance: 4 +/- 2°C) SAMPLES RECEIVED DAY OF COLLECTION? <input type="checkbox"/> (check for yes) BLUE ICE: FROZEN _____ PARTIALLY FROZEN _____ THAWED _____
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QUALITY CONTROL REPORT

Montana Environmental Laboratory LLC

Test Parameters

Order#: M2311722

BLANK ENVIRO WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2303092-02			0		
Ammonia-mg/L	2303092-02			0		
Nitrate + Nitrite, Total-mg/L	2303079-02			0		
Nitrate + Nitrite, Total-mg/L	2303079-02			0		
Nitrate + Nitrite, Total-mg/L	2303079-02			0		
Phosphorus, Total low level-mg/L	2303089-02			0		
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-02			0		
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-02			0		
CONTROL WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2303092-03		2	2.03	101.5%	
Ammonia-mg/L	2303092-03		2	2.03	101.5%	
BOD-mg/L	2303088-03		198	175	88.4%	
BOD-mg/L	2303088-03		198	175	88.4%	
Nitrate + Nitrite, Total-mg/L	2303079-03		1	0.99	99.0%	
Nitrate + Nitrite, Total-mg/L	2303079-03		1	0.99	99.0%	
Nitrate + Nitrite, Total-mg/L	2303079-03		1	0.99	99.0%	
Phosphorus, Total low level-mg/L	2303089-03		0.025	0.022	88.0%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-03		4	3.91	97.8%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-03		4	3.91	97.8%	
CONTROL DUP WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2303092-04		2	2.02	101.0%	0.5%
Ammonia-mg/L	2303092-04		2	2.02	101.0%	0.5%
BOD-mg/L	2303088-04		198	200	101.0%	13.3%
BOD-mg/L	2303088-04		198	200	101.0%	13.3%
Nitrate + Nitrite, Total-mg/L	2303079-04		1	0.99	99.0%	200.0%
Nitrate + Nitrite, Total-mg/L	2303079-04		1	0.99	99.0%	200.0%
Nitrate + Nitrite, Total-mg/L	2303079-04		1	0.99	99.0%	200.0%
Phosphorus, Total low level-mg/L	2303089-04		0.025	0.023	92.0%	4.4%
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-04		4	3.93	98.3%	200.0%
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-04		4	3.93	98.3%	200.0%
DUPLICATE WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2311918-02	0.12		0.12		0.0%
Ammonia-mg/L	2311918-02	0.12		0.12		0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07		0.07		0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07		0.07		0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07		0.07		0.0%
Phosphorus, Total low level-mg/L	2311641-04	0.013		0.013		0.0%

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Test Parameters

Order#: M2311722

DUPLICATE WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0		0		0.0%
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0		0		0.0%
MS ENVIRO WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2311918-02	0.12	2	2.16	102.0%	
Ammonia-mg/L	2311918-02	0.12	2	2.16	102.0%	
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	
Phosphorus,Total low level-mg/L	2311641-04	0.013	0.03	0.041	93.3%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0	2	2.07	103.5%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0	2	2.07	103.5%	
MSD WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2311918-02	0.12	2	2.16	102.0%	0.0%
Ammonia-mg/L	2311918-02	0.12	2	2.16	102.0%	0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	0.0%
Nitrate + Nitrite, Total-mg/L	2311610-01	0.07	2	2.06	99.5%	0.0%
Phosphorus,Total low level-mg/L	2311641-04	0.013	0.03	0.041	93.3%	0.0%
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0	2	2.09	104.5%	1.0%
Total Kjeldahl Nitrogen (TKN)-mg/L	2311610-01	0	2	2.09	104.5%	1.0%
SRM WASTE WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ammonia-mg/L	2303092-05		13.7	13.7	100.0%	
Ammonia-mg/L	2303092-05		13.7	13.7	100.0%	
Nitrate + Nitrite, Total-mg/L	2303079-05		4.1	4.16	101.5%	
Nitrate + Nitrite, Total-mg/L	2303079-05		4.1	4.16	101.5%	
Nitrate + Nitrite, Total-mg/L	2303079-05		4.1	4.16	101.5%	
Phosphorus,Total low level-mg/L	2303089-05		0.0627	0.06	95.7%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-05		9.9	10.2	103.0%	
Total Kjeldahl Nitrogen (TKN)-mg/L	2303080-05		9.9	10.2	103.0%	



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P.O. Box 8900
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INVOICE

Invoice Date: 11/09/2023
Invoice #: 2311722

Craig Kendall
Flathead National Forest
650 Wolfpack Way
Kalispell, MT 59901

Order#: M2311722
PO #:
Project: Holland Lake

Service	Procedure Description	QTY	Price	Invoice Amount
Laboratory	Ammonia	3	\$25.00	\$75.00
	BOD	3	\$55.00	\$165.00
	Coliform, Escherichia	3	\$44.00	\$132.00
	Dissolved Oxygen	3	\$20.00	\$60.00
	Nitrate + Nitrite, Total	3	\$26.00	\$78.00
	Phosphorus, Total low level	3	\$30.00	\$90.00
	Total Kjeldahl Nitrogen (TKN)	3	\$40.00	\$120.00
			Balance Due:	\$720.00